

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: Not Assigned

Examiner: Not Assigned

**SUBMISSION OF FORMAL DRAWINGS** 

2001 Ferry Building San Francisco, CA 94111

415/433-4150

In re Patent Application of

YASUHIKO TERASHITA ET AL.

Appln. No. 09/557,172

Filed: April 21, 2000

For:

INFORMATION PROCESSING

APPARATUS, INFORMATION

MANAGING METHOD AND MEDIUM)

Attention: Official Draftsman

**Assistant Commissioner for Patents** 

Washington, D.C. 20231

Sir:

Enclosed for filing in the above-identified application are forty-five (45) sheets of formal drawings comprising Figures 1 through 45C.

Respectfully submitted,

LIMBACH & LIMBACH L.L.P.

July 28, 2000

(Date)

**SONY-T0474** (S00P0474US00) By:

Charles P. Sammut

Registration No. 28,901

Attorneys for Applicant(s)

**CERTIFICATE OF MAILING** 

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Attn: Official Draftsman, Assistant Commissioner for Patents, Washington, D.C. 20231, on July 28, 2000.

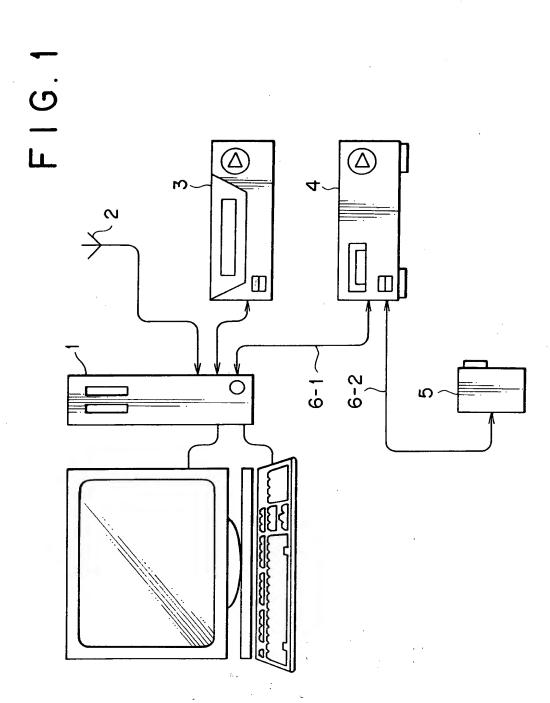
LIMBACH & LIMBACH L.L.P.

Date: July 28, 2000

Name: Susan Ozanne

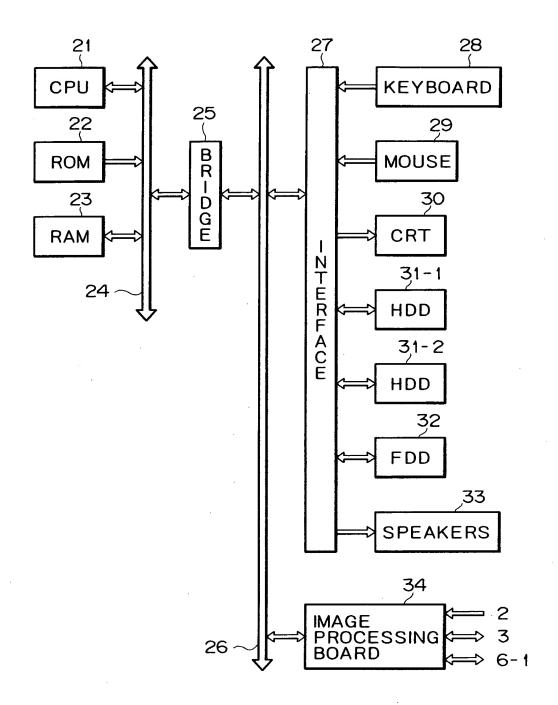
PATENTS\MISSPART.MRG

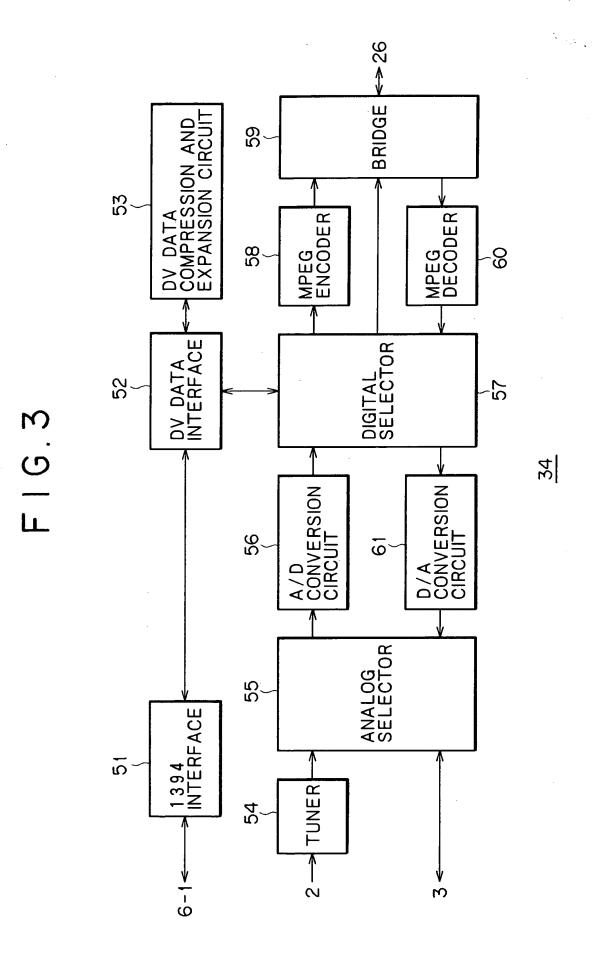
Rev. 01/15/97

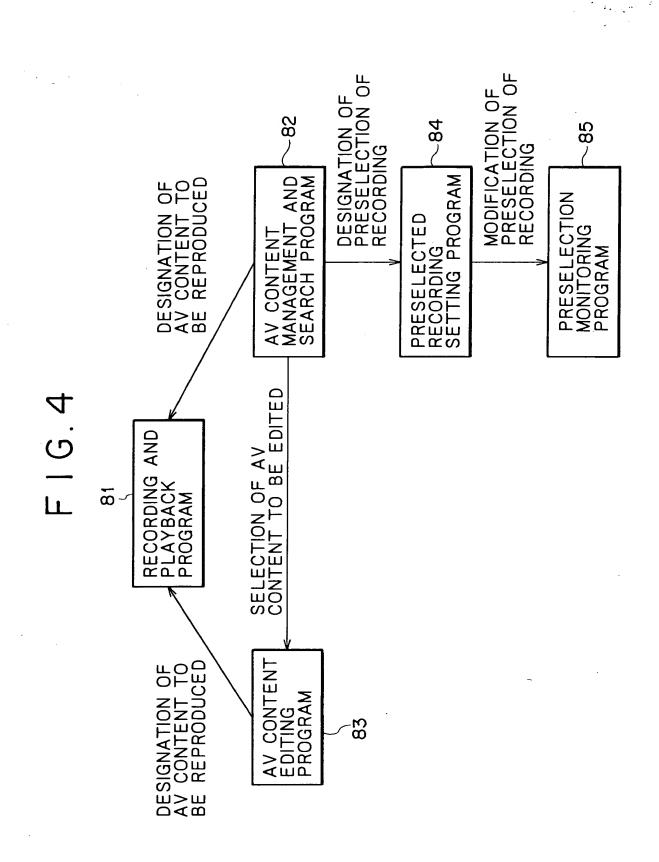


F I G. 2

Min :

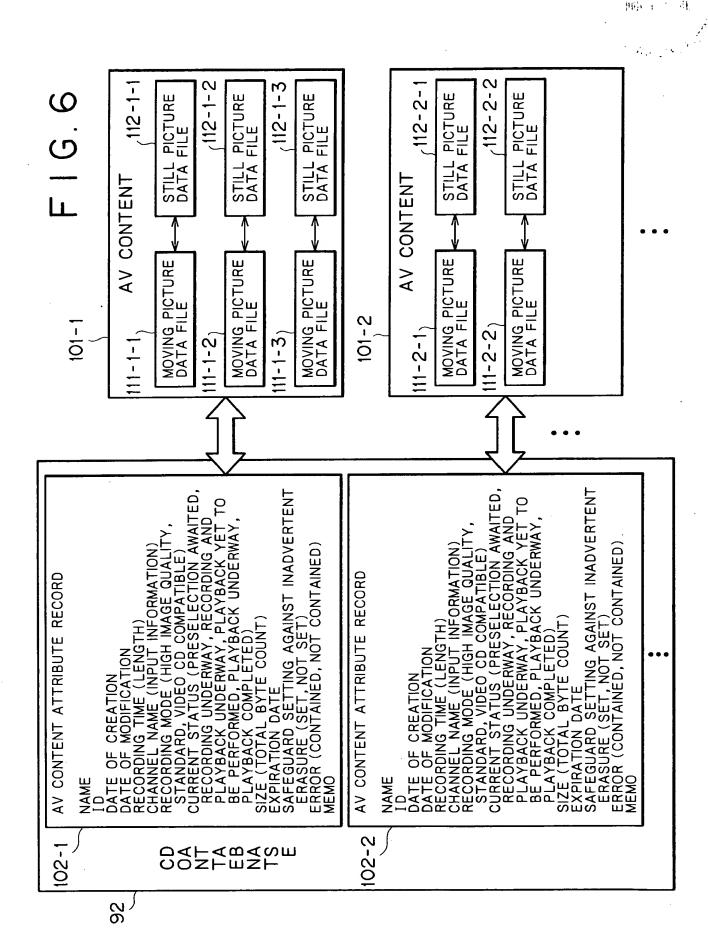


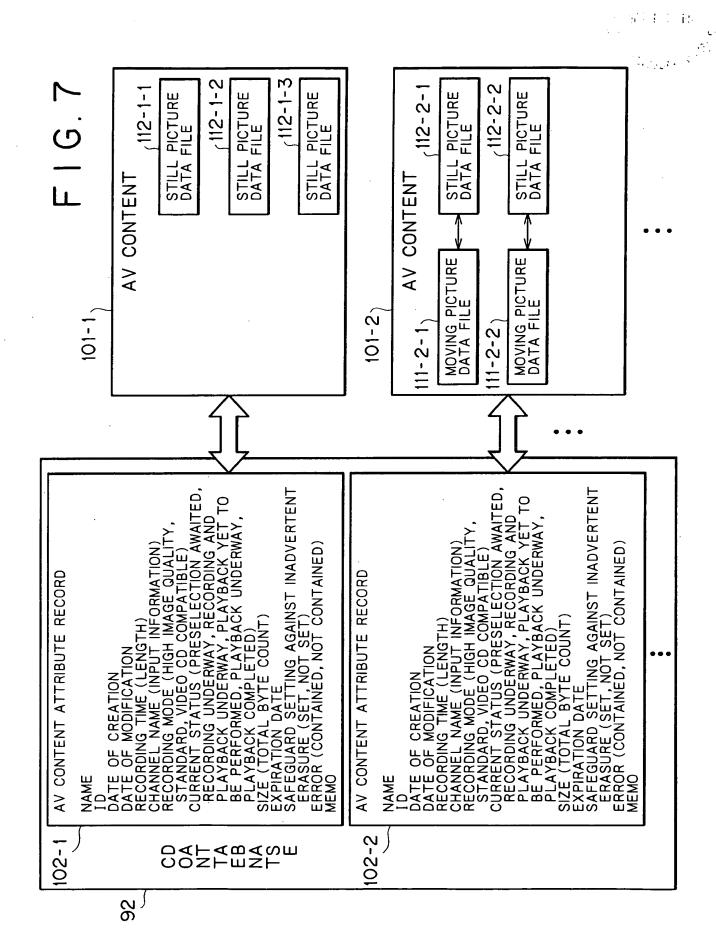




第八十五 进

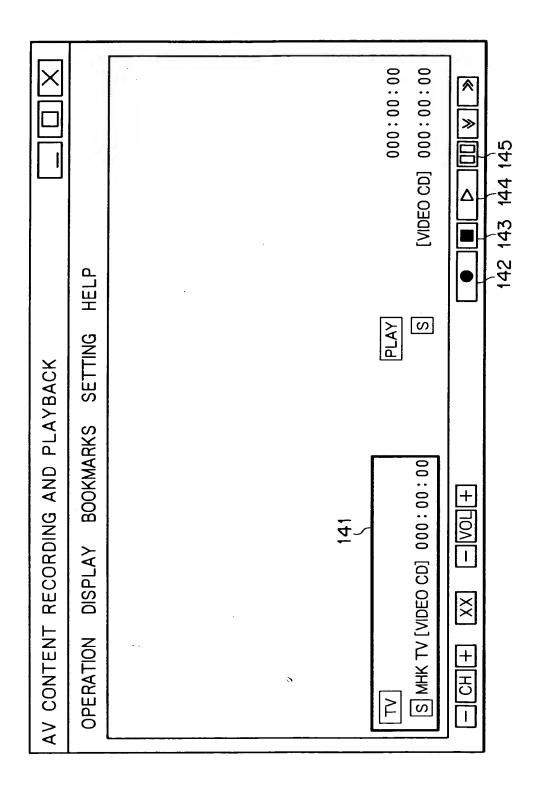
原属 [2]



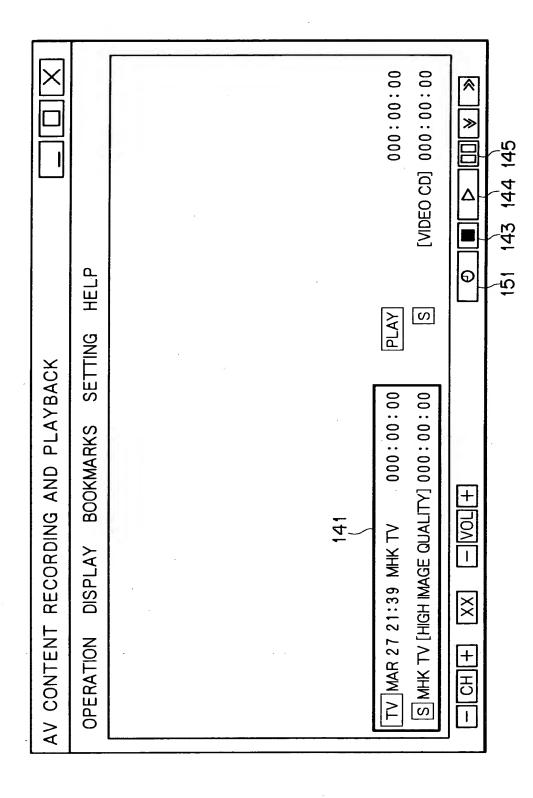


	·			- -					i de
F 1 G. 8	131-1) AV CONTENT	EDITED DATA FILE	ID OF AV CONTENT "a", PLAYBACK STARTING POSITION OF AV CONTENT "a", PLAYBACK ENDING POSITION OF AV CONTENT "a" ID OF AV CONTENT "b", PLAYBACK STARTING POSITION OF AV CONTENT "b", PLAYBACK ENDING POSITION OF AV CONTENT "b" ID OF AV CONTENT "c", PLAYBACK ENDING POSITION OF AV CONTENT "c", PLAYBACK ENDING POSITION OF AV CONTENT "d", PLAYBACK PLAYBACK "D",	0-101	7   7   5	131- $2_{ m )}$ AV CONTENT	EDITED DATA FILE  ID OF AV CONTENT "p", PLAYBACK STARTING POSITION OF AV CONTENT "p", PLAYBACK ENDING POSITION OF AV CONTENT "p", PLAYBACK STARTING POSITION OF AV CONTENT "q", PLAYBACK ENDING POSITION OF AV CONTENT "q", PLAYBACK STARTING POSITION OF AV CONTENT "r", PLAYBACK ENDING POSITION OF AV CONTENT "r", PLAYBACK ENDING POSITION OF AV CONTENT "s", PLAYBACK PAGK PAGK PAGK PAGK PAGK PAGK PAGK PAG		
			55		Į		5 5		
Z6)	CONTENT DATABASE (132-1	AV CONTENT ATTRIBUTE RECORD	NAME  1D  DATE OF CREATION  DATE OF MODIFICATION  RECORDING TIME (LENGTH)  CURRENT STATUS (PLAYBACK YET TO  BE PERFORMED, PLAYBACK UNDERWAY,  PLAYBACK COMPLETED)  SIZE (TOTAL BYTE COUNT)  EXPIRATION DATE  SAFEGUARD SETTING AGAINST INAD-	VERTENT ERASURE (SET, NOT SET) ERROR (CONTAINED, NOT CONTAINED) MEMO	2-251	AV CONTENT ATTRIBUTE RECORD	NAME  ID  DATE OF CREATION  DATE OF MODIFICATION  RECORDING TIME (LENGTH)  CURRENT STATUS (PLAYBACK YET TO  BE PERFORMED, PLAYBACK UNDERWAY,  PLAYBACK COMPLETED)  SIZE (TOTAL BYTE COUNT)  EXPIRATION DATE  SAFEGUARD SETTING AGAINST INAD-  VERTENT ERASURE (SET, NOT SET)  ERROR (CONTAINED), NOT CONTAINED)	•••	

F G.9



F I G. 10



# F1G.11A

MAXIMUM RECORDABLE→30 MIN.→1 HR.→1 HR.30 MIN.→2 HR.→2 HR.30 MIN.→3 HR. TIME

### F1G.11B

MAXIMUM RECORDABLE->1 HR.->1 HR.30 MIN.->2 HR.->2 HR.30 MIN.->3 HR. TIME

## F I G. 11C

MAXIMUM → RECORDABLE→2 HR.→2 HR.30 MIN.→3 HR. TIME

F I G.12

RECORDING END TIME SETTING				
	SET RECORDING DURATION			
	● TERMINATE RECORDING SINCE STARTING:			
	30 MIN. ▼ LATER 30 MIN.			
	TERMINATE RECORDING AT: (ENDING AT:)  1 HR. 1 HR. 30 MIN. 2 HR. 2 HR. 30 MIN. 3 HR.			
	O SPECIFY MAXIMUM RECORDABLE TIME			
	(ENDING AT:) 23:22 ON FEB 24			
	OK CANCEL HELP			

F I G.13

RE	ECORDING END TIME SETTING	
	SET RECORDING DURATION	
	O TERMINATE RECORDING SINCE STARTING:	
	30 MN. W LATER	
	O TERMINATE RECORDING AT:	
	(ENDING AT:) 12 : 34 -	
	SPECIFY MAXIMUM RECORDABLE TIME	
	(ENDING AT:) 23:22 ON FEB 24	
	·	
L	OK CANCEL HELP	

F G 14

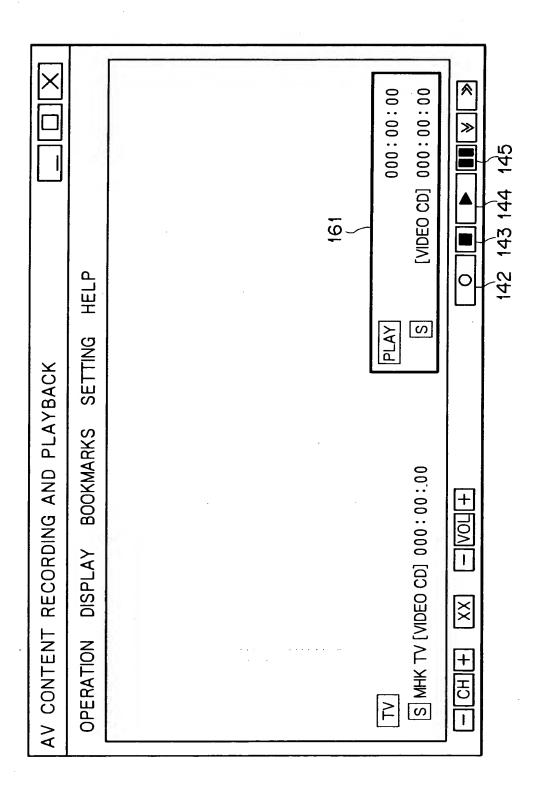
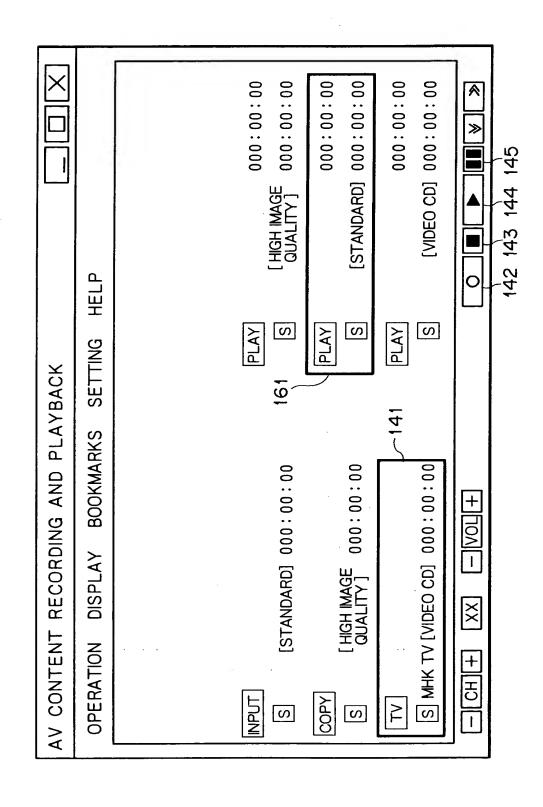


FIG. 15



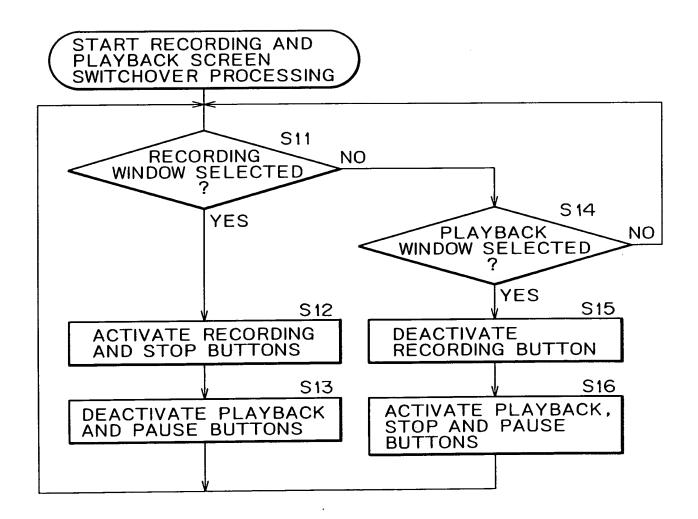
[VIDEO CD] 000:00:00 000:00:000 ⇒ **1** 000000 0 HELP တ PLAY SETTING F | G. 16 AV CONTENT RECORDING AND PLAYBACK 000000000000000000000000000 17,2 BOOKMARKS S MHK TV [VIDEO CD] 000:00:00+ Nor + DISPLAY × 00000 OPERATION + HD -2

0000000000 00:02:01 (ERASE) MODIFY PREVIEW SAVE LIST CUT NAME | POINT | POINT | MATERIAL TOTAL TIME | 00:00:00 ADD TO PLAY LIST NEXT GOP NEXT SCENE CUT NAME PLAY LIST 0000000000000000 (SAS) TAPE SELECTION 184 CUT 1 SET FOR "OUT" 185~ HELP CHECK PREVIOUS SCENE PREVIOUS GOP REDO MAR 27 20:31 VVV TV SET FOR "IN" | CHECK REDO DISPLAY 00:00:00 OPERATION AV CONTENT EDITING MAR 27 21:39 KKK TV MAR 27 20:31 VVV TV ERASE | CREATE CUT 183-PLAY LIST 181

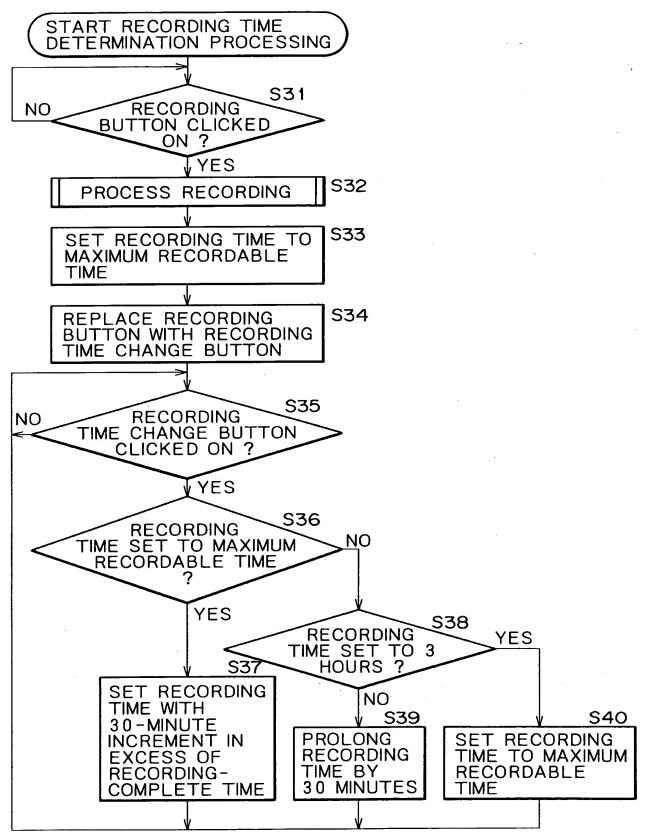
4.

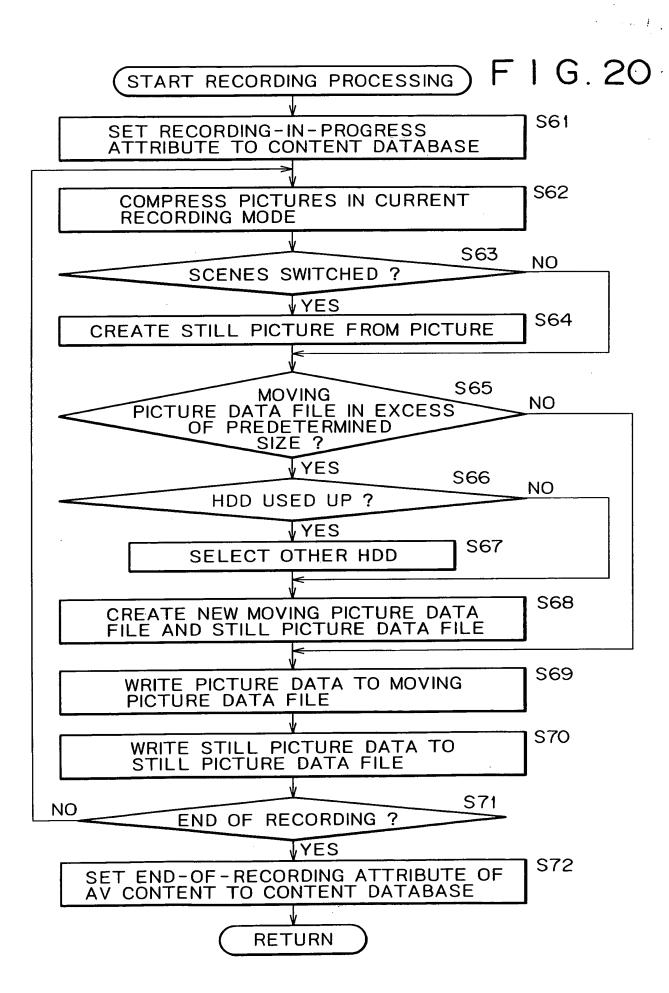
F 1 G.17

F I G. 18

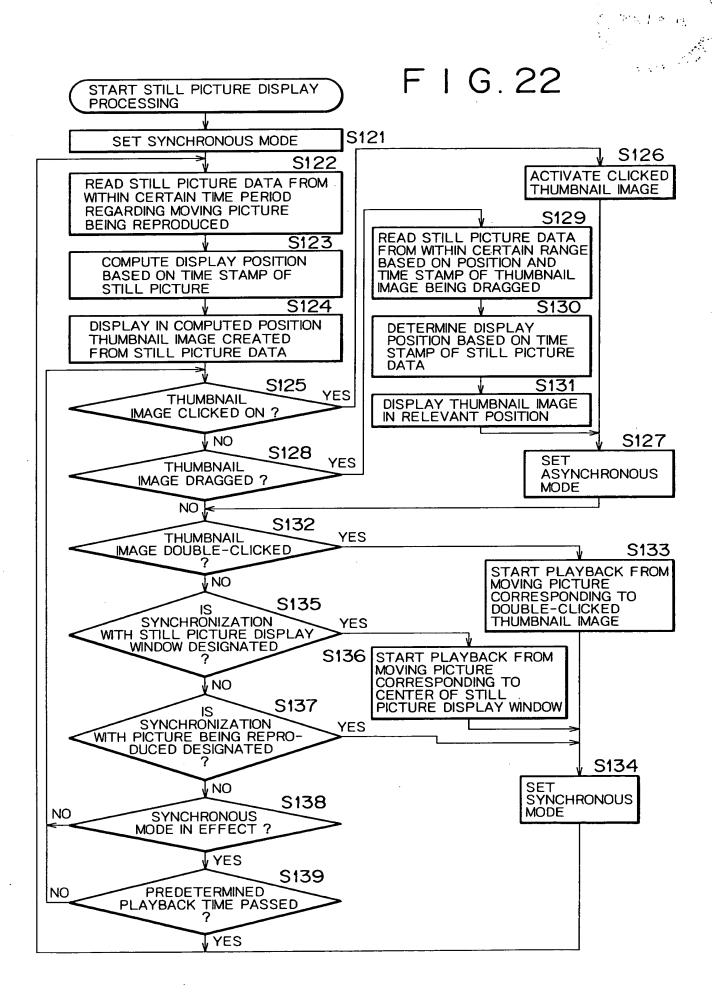


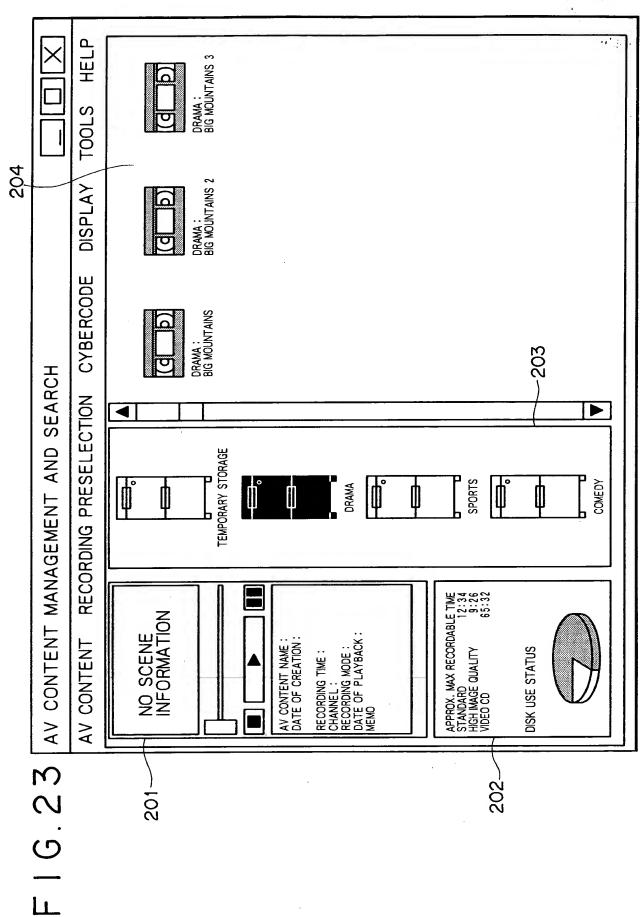
F I G. 19

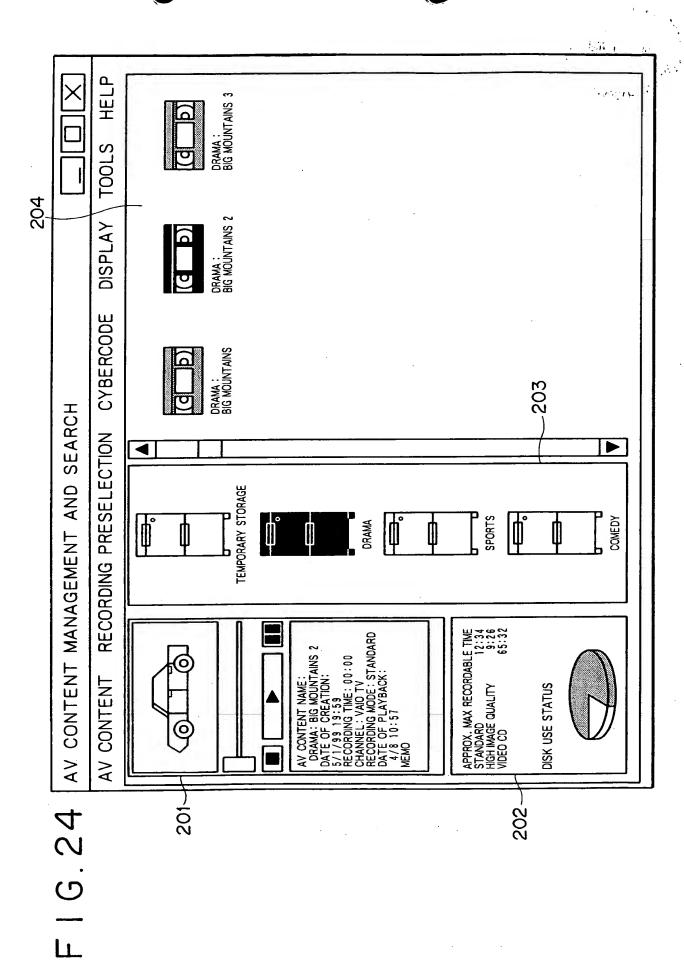




F I G. 21 START PLAYBACK PROCESSING S91 READ ATTRIBUTES OF AV CONTENT TO BE REPRODUCED FROM CONTENT DATABASE S92 NO AV CONTENT REPRODUCIBLE ? √ YES S93 SET PLAYBACK-IN-PROGRESS ATTRIBUTE TO CONTENT DATABASE S94 YET-TO-BE REPRODUCED DATA YES FOUND IN SPECIFIC MOVING PICTURE DATA FILE √NΟ **S95** SELECT NEXT MOVING PICTURE DATA FILE **S96** READ DATA FROM SPECIFIC MOVING PICTURE DATA FILE S101 S97 DISPLAY EXPAND DATA RETRIEVED FROM RELEVANT MOVING PICTURE DATA FILE **MESSAGE S98** DISPLAY EXPANDED PICTURES **S99** NO END OF PLAYBACK ? √YES S100 SET END-OF-PLAYBACK ATTRIBUTE TO CONTENT DATABASE **END** 







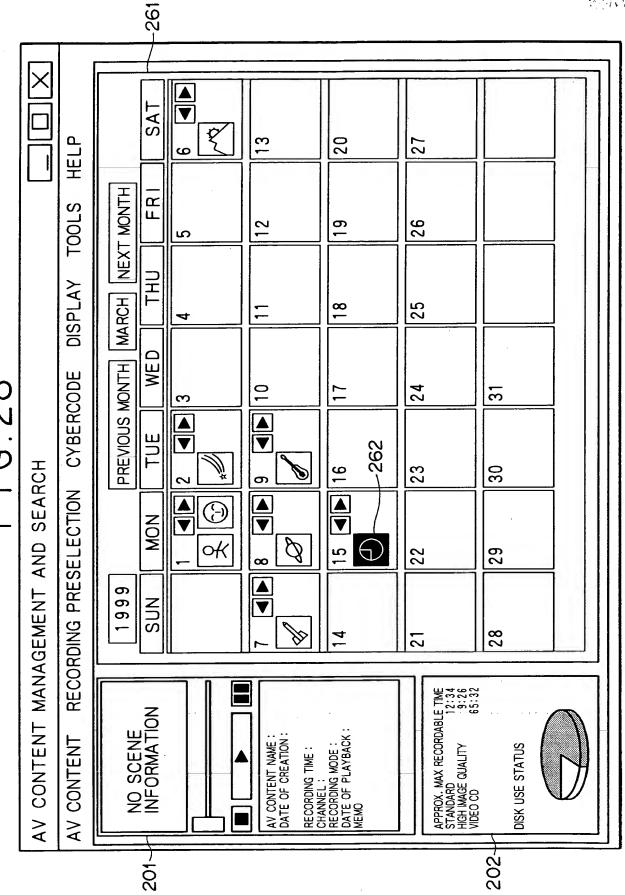
F16.25D G. 25M F16.25C F I G. 25G FIG. 25J F16.25B G.25F FIG. 25] FIG. 25K FIG. 251 F I G. 25E F I G. 25H F I G. 25A

F16.26M F16.26C G.26I F I G. 26F G. 26E F16.26B G.26H I G. 26G F I G. 26A G. 26D

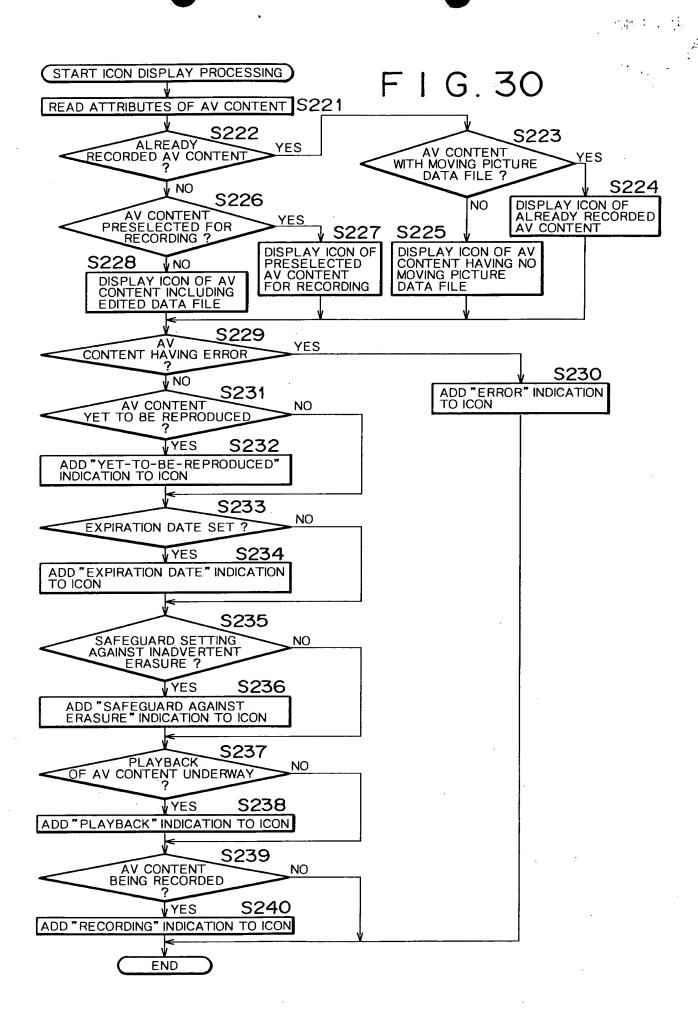
F16.27

1	<u> </u>	<del>y</del> -		-251	erija.
			-		
		TOOLS HELP	IAME RECORDING CHANNEL	CTION 0:09:00 YUHI TV CTION 0:04:00 KAKUJITSU TV CTION 0:05:00 TAKA TV 0:45:00 MGJ TV 0:30:00 DNA 0:30:00 DNA	
		DISPLAY	LIBRARY NAME	ETED CM COLLECTION ETED CM COLLECTION ETED CM COLLECTION WAY DRAMA ETED DRAMA ETED NEWS ETED NEWS	
		CYBERCODE	STATUS	PLAYBACK COMPLETED PLAYBACK COMPLETED PLAYBACK COMPLETED PLAYBACK COMPLETED PLAYBACK COMPLETED PLAYBACK COMPLETED PLAYBACK	
<b>-</b>	AND SEARCH		DATE OF CREATION		
<b>-</b>	ı.	RECORDING PRESELECTION	AV CONTENT NAME	COMMERCIAL 1 COMMERCIAL 2 COMMERCIAL 3 DRAMA: BIG MOUNTAINS 1 LOCAL NEWS 1 LOCAL NEWS 2	
	AV CONTENT MANAGEMENT	AV CONTENT RECO	1.1.1.1	NO SCENE INFORMATION  AV CONTENT NAME: DATE OF CREATION: RECORDING TIME: CHANNEL: RECORDING MODE: DATE OF PLAYBACK: MEMO  APPROX. MAX RECORDABLE TIME STANDARD HIGH IMAGE QUALITY STANDARD HIGH IMAGE QUALITY HIGH IMAGE QUALITY 65:326 VIDEO CD 65:32	DISK USE STATUS
		L		201	202

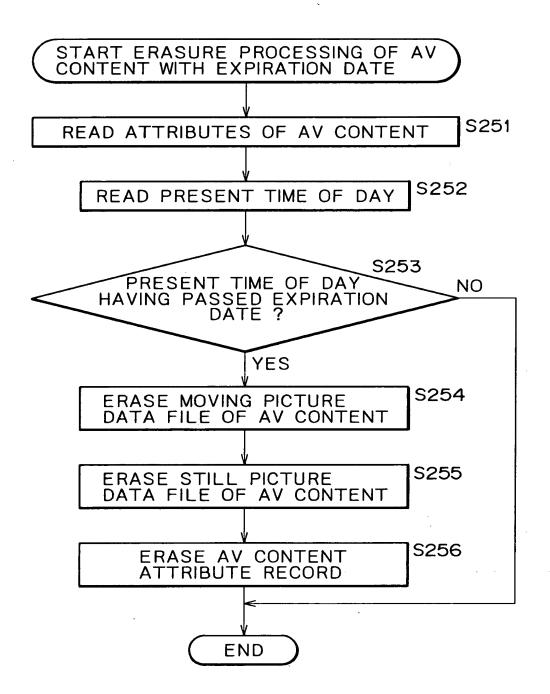
F16.28



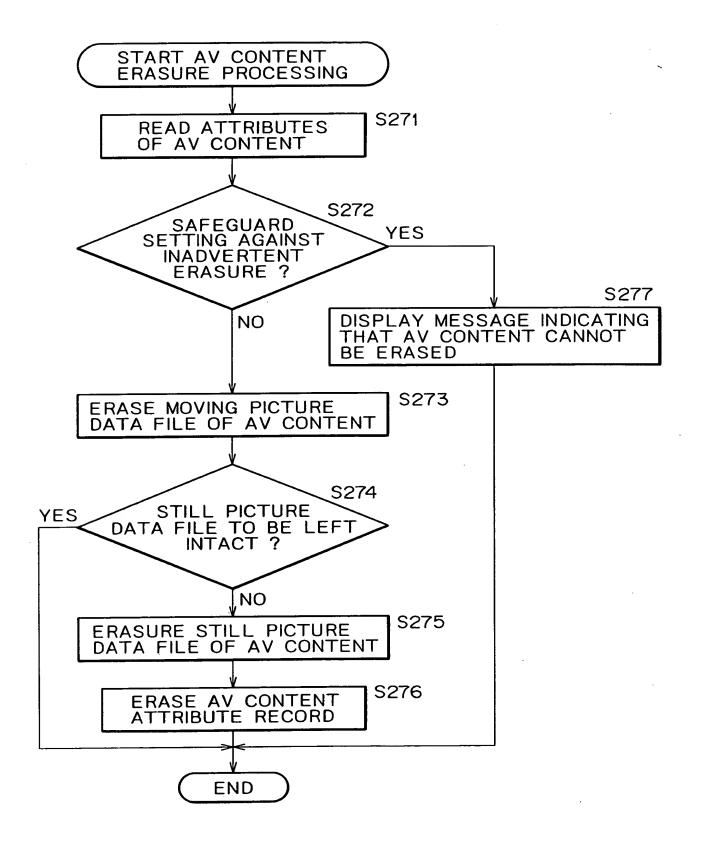
F16.29



F I G. 31



F I G. 32



۵-F16.33 302 301

F I G . 35

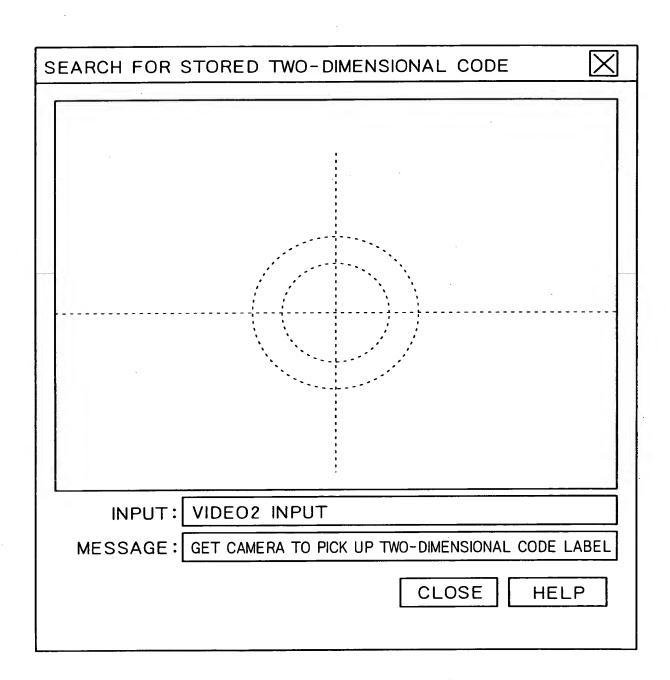
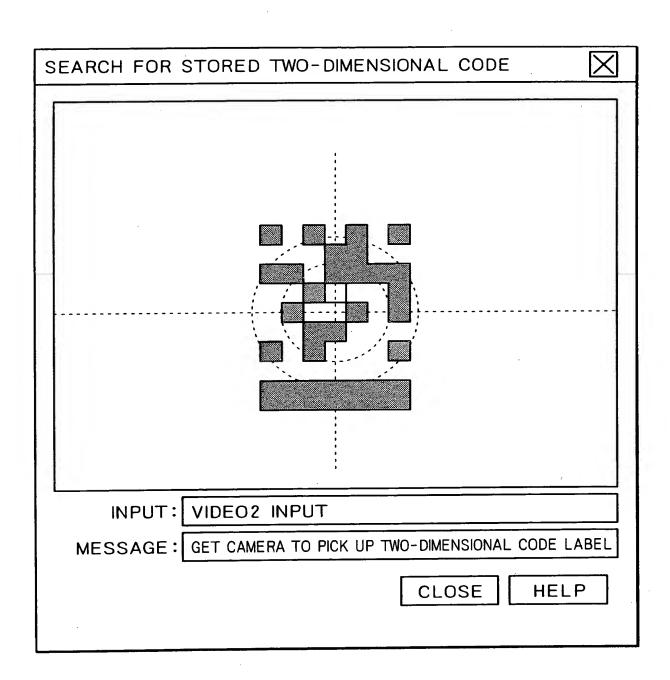
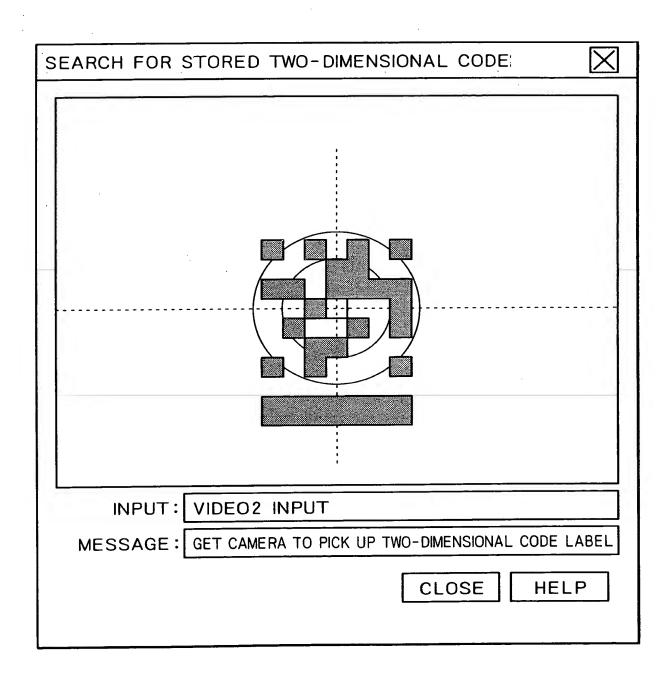


FIG. 36



F I G. 37



F1G.38

SEARCH FOR STORED TWO-DIMENSIONAL CODE		
301-2 301-4 301-6 301-8 301-10 301-12 301-1 301-3 301-5 301-7 301-9 301-11 302-2 302-4 302-6 302-8 302-10 302-12		
302-1 302-3 302-5 302-7 302-9 302-11		
INPUT: VIDEO2 INPUT		
MESSAGE: GET CAMERA TO PICK UP TWO-DIMENSIONAL CODE LABEL		
CLOSE HELP		

FIG. 39

1956 7 19

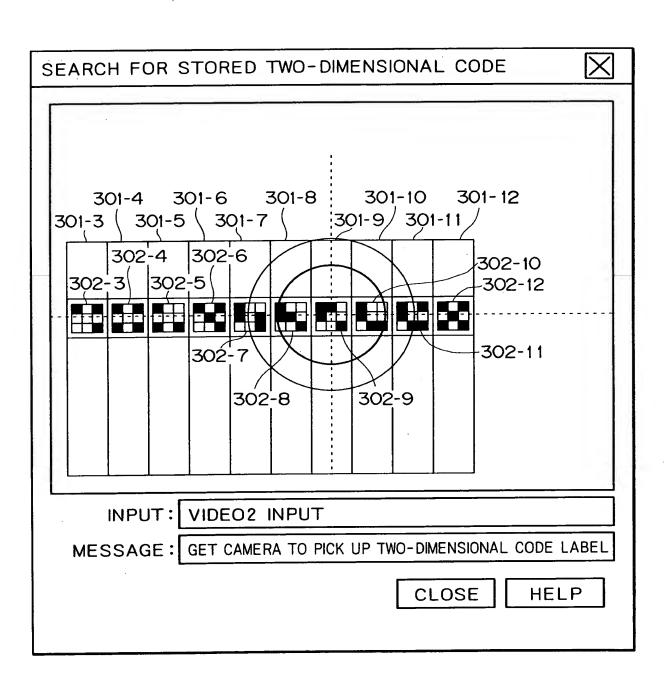
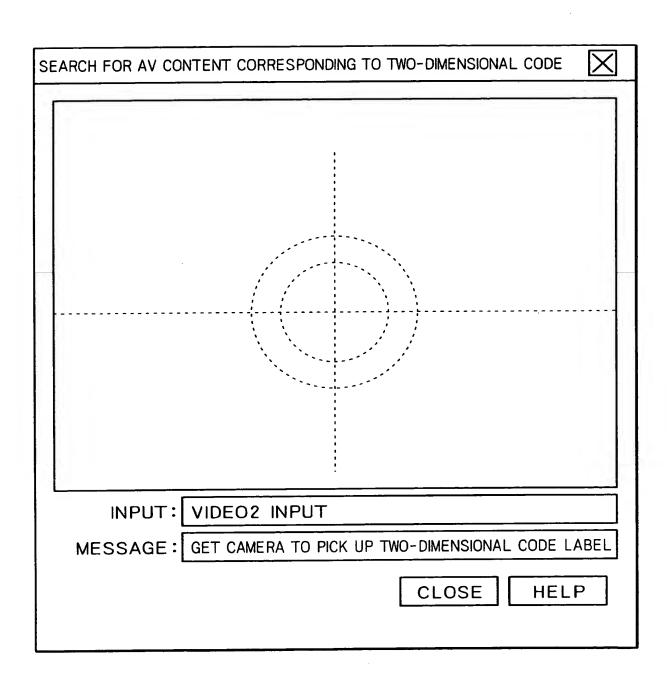
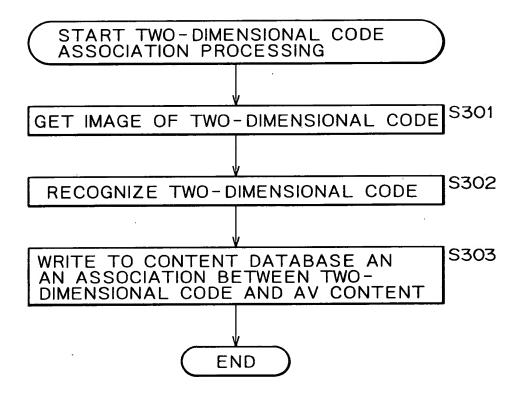


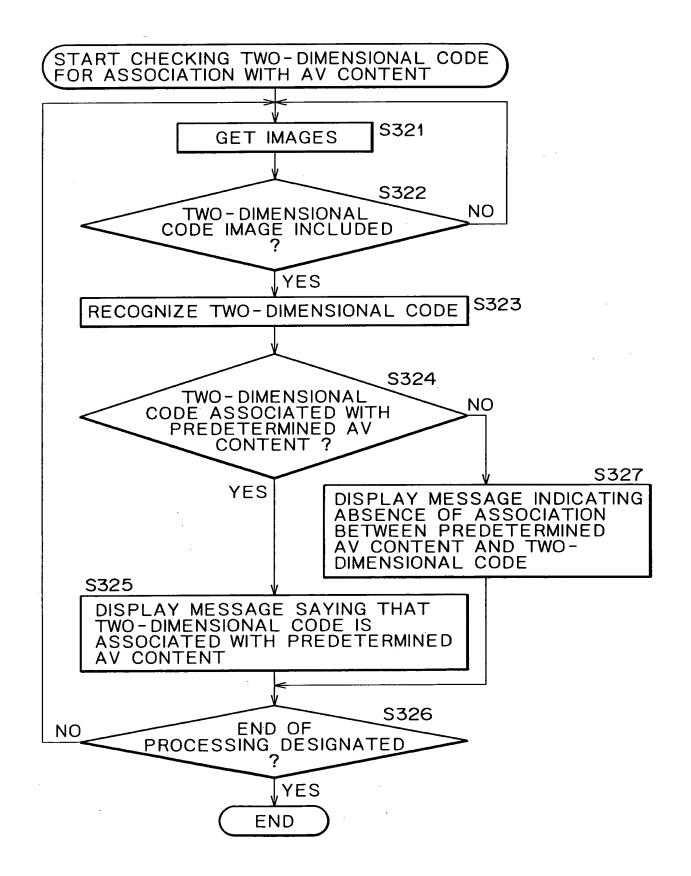
FIG. 40

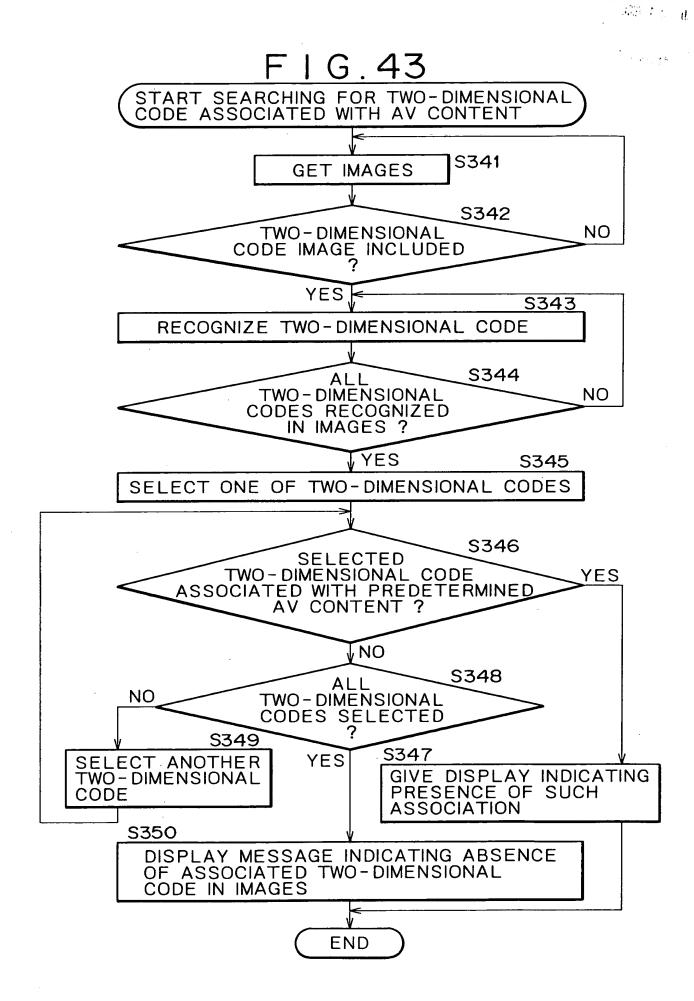


### F I G. 41



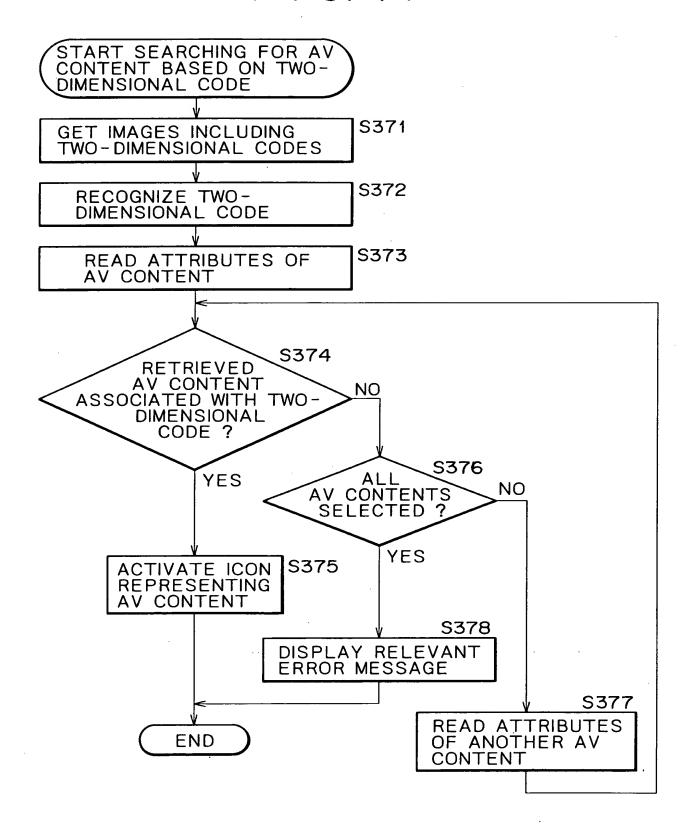
F I G. 42





F I G. 44

1950 8

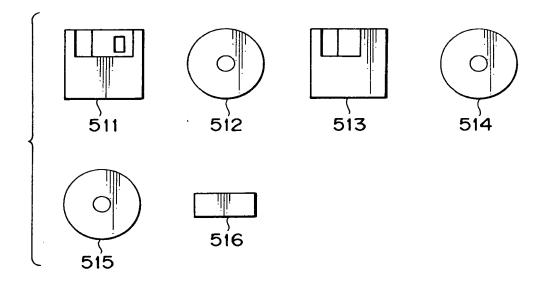


F I G. 45A

503

502

F I G. 45B



F I G. 45C

